

## Mouse IgE Protein

Cat. No. IGE-MM101

### Description

<b>Source</b>	Recombinant Mouse IgE Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val91-Ser421.
<b>Accession</b>	P06336
<b>Molecular Weight</b>	The protein has a predicted MW of 38.5 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

### Formulation and Storage

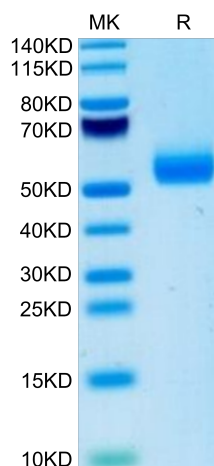
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

Immunoglobulin E (IgE) is well known for its role in allergic disease, the manifestations of which are mediated through its two Fc receptors, FcεRI and CD23 (FcεRII). IgE and its interactions with these receptors are therefore potential targets for therapeutic intervention, and exciting progress has been made in this direction. Furthermore, recent structural studies of IgE-Fc, the two receptors, and of their complexes, have revealed a remarkable degree of plasticity at the IgE-CD23 interface and an even more remarkable degree of dynamic flexibility within the IgE molecule.

### Assay Data

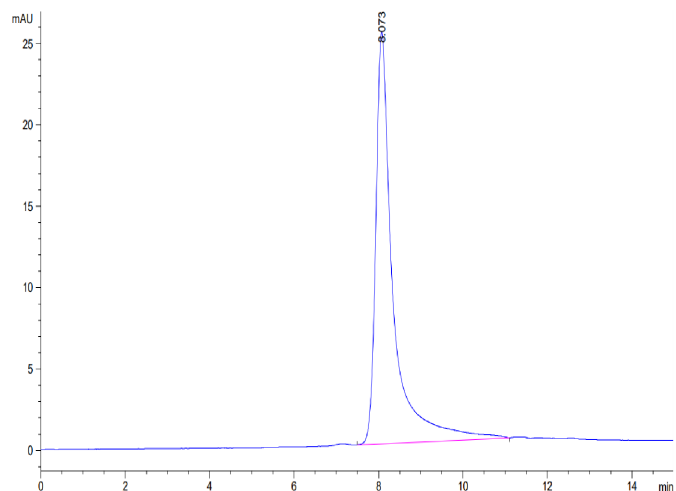
#### Tris-Bis PAGE



Mouse IgE on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

#### SEC-HPLC

Assay Data



The purity of Mouse IgE is greater than 95% as determined by SEC-HPLC.